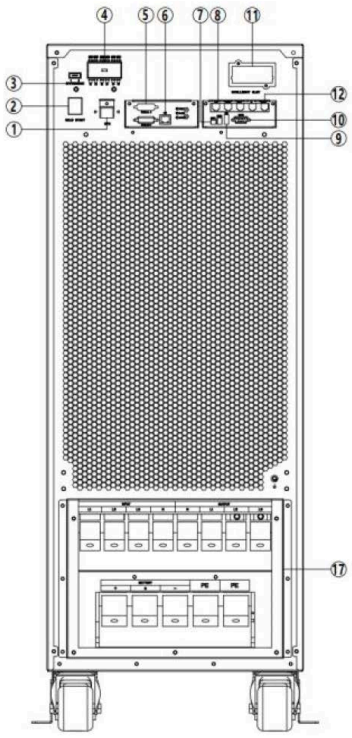
ExTell Magna Pro Tower External UPS, 3:3 Phase, PF 1.0, 80kVA

Safety: IEC/EN 62040-1; EMC: IEC/EN 62040-2; Performance: IEC/EN 62040-3





Features

- High power density design
- N+X parallel redundancy,support maximum 8 units in parallel
- Online double conversion with DSP control
- Input current harmonic:<3%
- Wide input voltage range: 152~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group,the quantity of battery 10~30kVA:16/18/20pcs (30~50pcs is optional) 40kVA:30~50pcs
- Maximum charging current up to 30A (Configurable)
- 3 Level IGBT Inverter Technology
- Colorful 7 inch Touch LCD display with detailed operational inputs
- Versatile LCD human-computer interface
- Intelligent Battery Management with Smart charging Control
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup

- 50/60Hz frequency converter mode
- The output can meet 100% unbalanced load
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
- Multiple communication interface:USB, RS232,RS485, Parallel port, Dry contact, Intelligent slot, SNMP card, Relay card

1. **EPO**
2. **Battery Cold Start**
3. **Bypass Feedback**
4. **Dry Contact**
5. **Parallel Communication Port**
6. **LBS Port**
7. **Battery Temperature Compensation**
8. **CAN**
9. **USB**
10. **RS232**
11. **Intelligent Slot**
12. **RS485**
13. **Rectifier Input Breaker**
14. **Bypass Input Breaker**
15. **Output Breaker**
16. **Maintenance Bypass Breaker**
17. **Connection Terminals**

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Technical Specifications

Model		E080MPET33
Capacity (W)		80kVA / 80kW
Input		
Nominal Voltage		380/400/415Vac (3Ph+N+PE)
Operating Voltage Range		152 ~ 478Vac
Operating Frequency Range		40~70Hz (50/60Hz Auto-Sensing)
Power factor		≥0.99
Bypass Voltage Range		Upper limit: 380V+25% (+10%, +15%, +20%, settable); 400V+20% (+10%,+15%, settable);415V+15% (+10%, settable); Lower limit: -45% (-10%, -20%, -30%, settable)
Frequency		
Frequency Protection Range		50/60Hz±10%
ECO range		Same as bypass
Harmonic distortion (THDi)		≤3% Linear load
Output		
Output Voltage		380/400/415Vac (3Ph+N+PE)
Voltage Regulation		±1%
Power Factor		1.0
Frequency Regulation	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency
	Bat. Mode	(50/60±0.1%)Hz
Transfer Time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output Waveform		Pure Sinewave
Crest Factor		3:1
Harmonic distortion (THDv)		≤2% (linear load); ≤5% (non-linear load)
Overload	AC mode	≤110%,last 60min; ≤125%,last 10min; ≤150%,last 1min;>150% turn to bypass Immediately
	Bat.mode	≤110%,last 10min; ≤125%,last 1min; ≤150%,last 5s;>150% turn to bypass Immediately
Efficiency		
Efficiency		96%
Output		
Battery Voltage	External unit	±240VDC (±180VDC ~ ±300VDC)
Charge Current	External unit	1 ~ 30A Configurable
Physical		
Dimension W x D×H (mm)		380 x 957 x 1016
Net weight (kg)		128
Environmental		
Operating Temperature		Operating - 0°C ~ 40°C
Storage Temperature		-25°C ~ 55°C (No battery)
Humidity Range		0~95% (Non condensing)
Altitude		<1500m,derating required when>1500m
Noise Level		63dB

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